Amendment and Response Under 37 C.F.R. 1.116

Applicant: Jeffrey W. Chambers Serial No.: 10/812,250 Filed: March 29, 2004

Filed: March 29, 2004 Docket No.: C364.105.101

Title: STENT POSITIONING SYSTEM AND METHOD

IN THE CLAIMS

Please cancel claims 1-12 and 14-27 as follows:

- 1. 12.(Cancelled)
- 13.(Canceled)
- 14 27.(Cancelled)
- 28.(Previously Presented) A method of deploying an intravascular stent within a patient, the method comprising:

delivering a distal end of a guiding catheter adjacent an ostium of a vessel to be stented; guiding a deployment site locator through the guiding catheter, the deployment site locator including a base and a plurality of rods affixed to the base;

extending the plurality of rods from the distal end of the guiding catheter;

determining a position of the ostium by contacting structures proximate the ostium with at least one of the plurality of rods;

delivering a stent through the guiding catheter to a desired stent location, wherein the desired stent location is based upon the determined position of the ostium;

deploying the stent at the desired stent location; and

withdrawing the deployment site locator from the patient.

29.(Original) The method of claim 28, wherein the stent is fixed relative to the deployment site locator such that the stent is delivered at a fixed distance from the deployment site locator to the desired stent location following determination of the position of the ostium.

30.(Original) The method of claim 28, wherein delivering the stent to the desired stent location includes determining the position of the stent and the deployment site locator by a visual

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indication and adjusting the position of the stent relative to the deployment site locator such that

the stent is delivered to the desired stent location.

31.(Previously Presented) The method of claim 30, wherein the visual indication includes x-

ray imaging.

32.(Original) The method of claim 30, wherein adjusting the position of the stent relative to the

deployment site locator includes visually confirming that at least one radio-opaque marker associated with the stent is aligned with at least one radio-opaque marker associated with the

deployment site locator.

33.(Original) The method of claim 28, wherein the vessel to be stented is a coronary artery and

the vascular structures proximate the ostium include an aorta wall.

34.(Previously Presented) The method of claim 28, wherein the desired stent location is such

that a proximal end of the stent is located at the ostium of the vessel to be stented.

35.(Previously Presented) The method of claim 28, further comprising delivering a guide

wire into the vessel to be stented via the guide catheter, and wherein guiding the deployment site

locator through the guide catheter includes guiding the deployment site locator over the guide

wire to the ostium of the vessel to be stented.

36.(Original) The method of claim 35, wherein delivering the stent includes guiding a stent

delivery device over the guide wire and through the deployment site locator into the vessel to be

stented.

37.(Original) The method of claim 28, wherein each one of the plurality of rods is configured to

extend outward radially to contact the vascular structures proximate the ostium.

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38.(Original) The method of claim 28, wherein extending the plurality of rods from the distal end of the guide catheter further includes transitioning the deployment site locator from a

collapsed state to an expanded state, and further wherein the expanded state includes a distal

portion of each of the plurality of rods being spaced substantially farther away from one another

than in the collapsed state.

39.(Original) The method of claim 38, wherein the plurality of rods extend away from one

another in the expanded state and are substantially parallel in the collapsed state.

40.(Original) The method of claim 38, wherein transitioning the deployment site locator from a

collapsed state to an expanded state is accomplished via spring action by loading and unloading

the plurality of rods.

41.(Previously Presented) The method of claim 38, wherein the stent remains in the desired

location upon withdrawing of the deployment site locator from the patient.

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